



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D4005-041
Job Sheet 184400



Part No: D4005-041

Job Qty: 4 ea

Part Name: Fwd Floor Gutter



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/9/18

Job Tracking No:

Due Date: 11/2/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV B SHEETS 1,14,15 IPP rev A 10.01.21 new issue Prelim EC verified by:DD IPP Rev:B 10.05.03 as per ECN10-562 DD verified by:EC IPP Rev:C 12.03.07 as per dwg rev.b DD verf: EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Waterjet	4 pcs		11/2/18	0.00	0.41	Waterjet 1		SC 18/10/28
110	QC	4 pcs		11/2/18	0.00	0.00	QC2 Waterjet-3		SC 18/10/28
120	QC	4 pcs		11/2/18	0.00	0.00	QC8-4		38
130	Brake NC	4 pcs		11/2/18	0.05	1.13	Brake NC 2		9-89
140	QC	4 pcs		11/2/18	0.00	0.00	QC5		
141	Large Fab	4 pcs		11/2/18	0.00	4.94	Large Fab 2		
142	QC	4 pcs		11/2/18	0.00	0.00	QC9		
143	QC	4 pcs		11/2/18	0.00	0.00	QC5		
150	HandFinish	4 pcs		11/2/18	0.00	0.37	HandFinish1		
155	QC	4 pcs		11/2/18	0.00	0.00	QC7-3		
160	Powdercoat	4 pcs		11/2/18	0.00	0.30	Powdercoat9		
170	QC	4 pcs		11/2/18	0.00	0.00	QC3		
190	Packaging	4 pcs		11/2/18	0.00	0.00	Packaging3-2		
200	QC21-SA	4 Ea		11/2/18	0.00	0.00	QC21		

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6S.040	6061-T6 .040 Sheet	1.6800 sf (.42 ea)	100-Waterjet	5720084
D4003-13	Fwd Fuel Gutter Line	4 Ea (1 ea)	141-Large Fab	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Waterjet	M6061T6S.040	2	154	0
141-Large Fab	D4003-13	4	4	0

Part Specifications

Specifications could not be found.

QA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION		AGAINST DEPARTMENT/PROCESS			
	Rework ☐	Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	
	Scrap ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	
	Use-as-is ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	
	Suspected Unapproved ☐	Large Fab ☐	Composite ☐	Supplier ☐		

Date : _____ Step #: _____ QTY Effective : _____ MRB (QSI042) Approval _____

Description Work Order Deviation	Disposition
Part: D4005 - 041 Job No: 184400 Serial No/Batch: S122214 Revision: _____ Inspector: _____ Exp Date: _____ Instructions: Various STC's Date: 10/29/18 Created By _____ Supervisor Verification _____ Coordinator Approval _____	

Root Cause		FAULT CATEGORY	
Environment ☐	No Re-verification ☐	Pressure/Force ☐	Positioning ☐
Design ☐	Operator ☐	Bending ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Con ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Rip ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐		
Misidentified ☐	Past Due ☐	OTHER : _____	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: <u>184400</u> Part No. <u>D4005-041</u> NCR No. _____		DISPOSITION Rework ☐ Scrap ☒ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Cross tube ☐</td> <td>Water Jet ☒</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☒	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																			
Skid-tube ☐	Cross tube ☐	Water Jet ☒	Engineering ☐																																																																								
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																																																								
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																																																																								
Large Fab ☐	Composite ☐	Supplier ☐																																																																									
Date : <u>18-10-30</u>		Step #: <u>120</u>		QTY Effective : <u>4</u>		MRB (QSI042) Approval DAS 9 9-89 <u>18-10-30</u>																																																																					
Description Work Order Deviation				Disposition																																																																							
Wrong part cut on waterjet. operator cut a D4005-1				Scrap destroy.																																																																							
								Completed By																																																																			
								Lead hand / Supervisor Approval Verification DAS 9 9-89 <u>18-12-10</u>																																																																			
QC / QA Coordinator Approval DAS 9 9-89 <u>18-12-10</u>																																																																											
Root Cause <table style="width:100%;"> <tr> <td>Environment ☐</td> <td>No Re-verification ☐</td> <td>Pressure/Forced ☐</td> <td>Temperature/Cure ☐</td> <td>Power Loss/Surge ☐</td> <td>Positioned Wrong ☐</td> </tr> <tr> <td>Design ☐</td> <td>Operator ☒</td> <td>Bending ☐</td> <td>Set-up ☐</td> <td>Folio/Program ☐</td> <td>Outside Dimensions ☐</td> </tr> <tr> <td>Doc/Data ☐</td> <td>Offset/Setup ☐</td> <td>Centre Not Concentric ☐</td> <td>BOM/Route ☐</td> <td>Grain ☐</td> <td>Over/Under tolerance ☐</td> </tr> <tr> <td>Equip/Tooling ☐</td> <td>Supplier ☐</td> <td>Cracks ☐</td> <td>Broken/Damage/Defect ☐</td> <td>Weld ☐</td> <td>Part Incorrect ☒</td> </tr> <tr> <td>Handling/Pre ☐</td> <td>Training ☐</td> <td>Crimp/Kink/Ripple/Wave ☐</td> <td>Inspection Incomplete/Unqualified ☐</td> <td>Wrong Stock Pulled ☐</td> <td>Part Lost/Missing ☐</td> </tr> <tr> <td>Material ☐</td> <td>Use for Testing ☐</td> <td>Cuffs ☐</td> <td>Contamination ☐</td> <td>Out of Sequence ☐</td> <td>Part Moved ☐</td> </tr> <tr> <td>Internal Transport ☐</td> <td>Poor Information ☐</td> <td>Crushing ☐</td> <td>Countersink ☐</td> <td>Off-set ☐</td> <td>Drawing ☐</td> </tr> <tr> <td>Tribal Knowledge ☐</td> <td>Rushing ☐</td> <td>Heat Treat ☐</td> <td>Cut Too Short ☐</td> <td>Mislabeled ☐</td> <td>Finish ☐</td> </tr> <tr> <td>LOA ☐</td> <td>Product Improvement ☐</td> <td>Wave/Twist in Tube ☐</td> <td>Instructions Incomplete/Unclear ☐</td> <td>Fit/Function ☐</td> <td>Misread ☐</td> </tr> <tr> <td>Substation ☐</td> <td>Process Improvement ☐</td> <td>Marks/Chatter ☐</td> <td>Drill Holes ☐</td> <td>Misaligned/off center ☐</td> <td>Turning Sequence ☐</td> </tr> <tr> <td>Past Expiry Date ☐</td> <td>Manufacturing Process ☐</td> <td colspan="4" rowspan="2">OTHER : _____</td> </tr> <tr> <td>Misidentified ☐</td> <td>Past Due ☐</td> </tr> </table>				Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☒	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☒	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____				Misidentified ☐	Past Due ☐				
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																																																																						
Design ☐	Operator ☒	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																																																																						
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																																																																						
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☒																																																																						
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																																																																						
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																																																																						
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐																																																																						
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																																																																						
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																																																																						
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																																																																						
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____																																																																									
Misidentified ☐	Past Due ☐																																																																										

